

FIRST UNITED STATES RECORD OF *DYSCHIRIUS SEXTONI* (COLEOPTERA: CARABIDAE)¹

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ABSTRACT: We report the first United States capture of the ground beetle, *Dyschirius sextoni*, at Fort McCoy Military Reservation, Monroe County, Wisconsin (16 July 1996). In addition we newly record from Wisconsin the ground beetles, *Harpalus indianus*, *H. indigenus*, *Selenophorus planipennis*, *Cymindis planipennis* and *Helluomorphoides praeustus bicolor*.

Fort McCoy Military Reservation in northern Monroe County, Wisconsin is characterized by glacial outwash plains, with extensive unconsolidated stratified surface gravel and sand. Annual total mean precipitation (1937 to 1959) in Monroe County is 71 cm (Barndt and Langton 1984). This area is located within a circumscribed upper Midwestern drift-less region that remained ice-free during the Wisconsin glacialiation (Curtis 1959).

Vegetational development at Fort McCoy is dominated by scrubby oak barrens, a *Quercus velutina* Lam. and *Q. ellipsoidalis* E.J. Hill co-climax, with associated forbs and grasses such as *Lupinus perennis* L., *Andropogon gerardi* Vitman, *Rudbeckia hirta* L. and *Baptisia leucophaea* Nutt. Scars from military tank traffic persist in many sand and gravel areas, and sand borrow pits present colonization opportunities for several open ground specialist carabid species like tiger beetles. The carabid fauna of tallgrass prairie in the physiographically anomalous drift-less zone was studied by Purrington and Larsen (1996) in northeastern Iowa.

MATERIALS AND METHODS

Water-filled yellow pan traps and automatic blacklight traps (BioQuip, Inc.) were used from May through August in 1995 and 1996 to assay the insect fauna of the unglaciated oak barrens habitat of Fort McCoy. Ground beetles were taken as a consequence of this broad-based synoptic survey.

Voucher specimens of all ground beetle species obtained are held in the University of Wisconsin Department of Entomology Research Collection in Madison.

RESULTS

Sixty-seven species of ground beetles in 15 tribes were obtained in Mon-

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roe County at Fort McCoy State Natural Area in 1995 and 1996. Six species (Table 1) are unlisted for Wisconsin and one of these, *Dyschirius sextoni* Bousquet, heretofore unrecorded for the United States (Bousquet and Larochelle 1993), is a rare clivinine described only recently (Bousquet 1987) that until now has been known only from the type locality in Belleville, Ontario, about 1000 km east of Fort McCoy. The four specimens we found were taken on 16 July 1996 by pan trap at a sand quarry in oak savanna.

The five other ground beetles we report as new for Wisconsin (Table 1) are known from various adjoining states and Canada. They are species whose known habitat preferences are reflected in the sandy scrub biotope where they were taken, characterizing much of the Fort McCoy area.

Table 1. Ground beetles new to Wisconsin, collected in Monroe County on the Fort McCoy Military Reservation (1995 and 1996). *Dyschirius sextoni* is also new to the United States.

Clivinini	Trap Date
<i>Dyschirius sextoni</i> Bousquet	16 Jul 1996
Harpalini	
<i>Harpalus indianus</i> Csiki	24 Aug 1996
<i>Harpalus indigens</i> Casey	20 Jul 1995
<i>Selenophorus planipennis</i> LeConte	19 Jun 1996
Lebiini	
<i>Cymindis planipennis</i> LeConte	25 Aug 1996
Helluonini	
<i>Helluomorphoides praeustus bicolor</i> (Harris)	13 Jun 1996

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